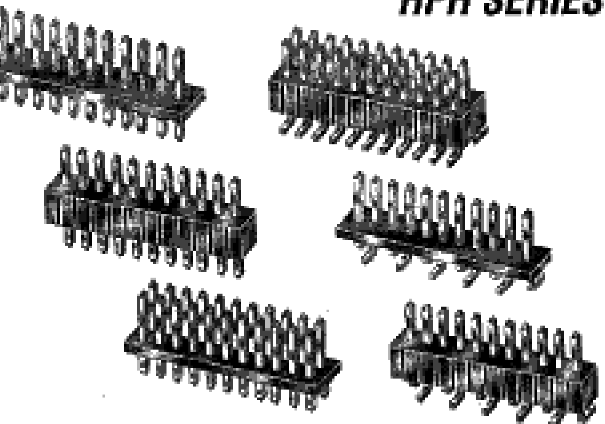
ADAM TECH

ADAM TECHNOLOGIES INC.

.050" PIN HEADERS

.050" [1.27] CENTERLINE

HPH SERIES



INTRODUCTION:
Adam Tech HPH Series Half Pitch Pin Headers are designed for applications where space and weight are key factors. They provide a fast, simple one-step installation of multiple posts to PC boards. Both single and dual row types are available. Custom pin lengths are available to suit specific applications.

FEATURES:
- ❑ Half pitch .050" centerline increases board density
- ❑ Single and dual row types
- ❑ Breakaway style insulator for added versatility
- ❑ Molded in standoffs enable easy cleaning

MATING OPTIONS:
Mates with Adam Tech HRS and HFCS Socket Series and all other industry standard compatible connectors

SPECIFICATIONS:

Material:
Insulator: Polybutylene Terephthalate (PBT), glass reinforced thermoplastic, rated UL 94V-0
Contacts: Phosphor Bronze

Plating:
U = 5 µin. gold nom. (optional 30 µin) to MIL-G-45204, Type II, Grade C over 50 µin. nickel underplate to QQ-N-290, Class 2, Grade C
SG = 5 µin gold nom. (optional 30 µin) on mating length to MIL-G-45204, Type II, Grade C, 100 µin. tin-lead to MIL-P-81728 on solder-tails
T = 100 µin tin-lead to MIL-P-81728, Type 1 with 50 µin copper underplate to MIL-C-14550

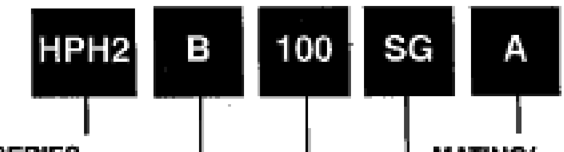
Electrical:
Operation voltage: 250 VAC max
Current rating: .5 Amp max
Contact resistance: 20 mΩ max
Insulation resistance: 1000 MΩ min @ 1000 VDC between adjacent contacts (75° F and 50% R.H.)
Dielectric withstanding voltage: 1000 VAC min rms (sea level)

Mechanical:
Pin push out force: 4 lbs. min
Soldering process: Wave, Vapor-phase or IR Reflow
Environmental: Operating temperature: -65°C to +125°C

PACKAGING:
Anti-static plastic bags

APPROVALS AND CERTIFICATIONS:
Recognized under the component program of Underwriters Laboratories, Inc. No. E167232
Certified by Canadian Standards Association No. LR75112

ORDERING INFORMATION



SERIES INDICATOR
HPH1 = .050" Single row pin header
HPH2 = .050" Dual row pin header

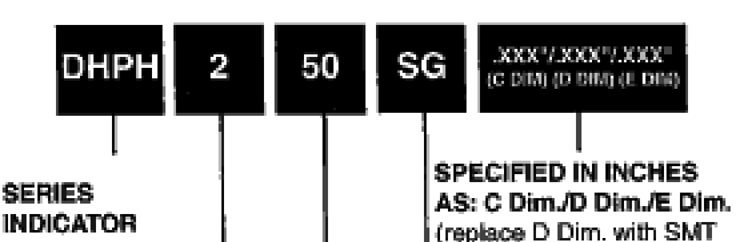
INSULATOR SIZE
A = 1 mm insulator thickness single or dual row (dual row .050"x.050")
B = .100" insulator thickness single or dual row (dual row .050"x.100")

POSITIONS
1 thru 32 (single row)
4 thru 100 (dual row)

PLATING
SG = Selective gold plating in contact area Tin-Lead plating on solder tails
U = Gold Plated
T = Tin Plated

MATING/ SOLDER-TAIL LENGTH
A = Standard length
B = Special length, customer specified, defined as tail length/total length

ORDERING INFORMATION



SERIES INDICATOR
DHPH = Dual insulator .050" centerline

NO. OF ROWS
1 = Single row
2 = Dual row .050"x.100"

POSITIONS
1 thru 32 (single row)
4 thru 100 (dual row)

PLATING
SG = Selective gold plating in contact area and Tin-Lead plating on solder tails

SPECIFIED IN INCHES AS: C Dim./D Dim./E Dim.
(replace D Dim. with SMT for surface mount option)

OPTIONS:
Add as suffix to basic part number
15 = 15 µin gold plating
30 = 30 µin gold plating
SMT = Surface mount leads
HT = Hi-Temp insulator for IR reflow or Vapor Phase soldering process

Hi-TEMP OPTION

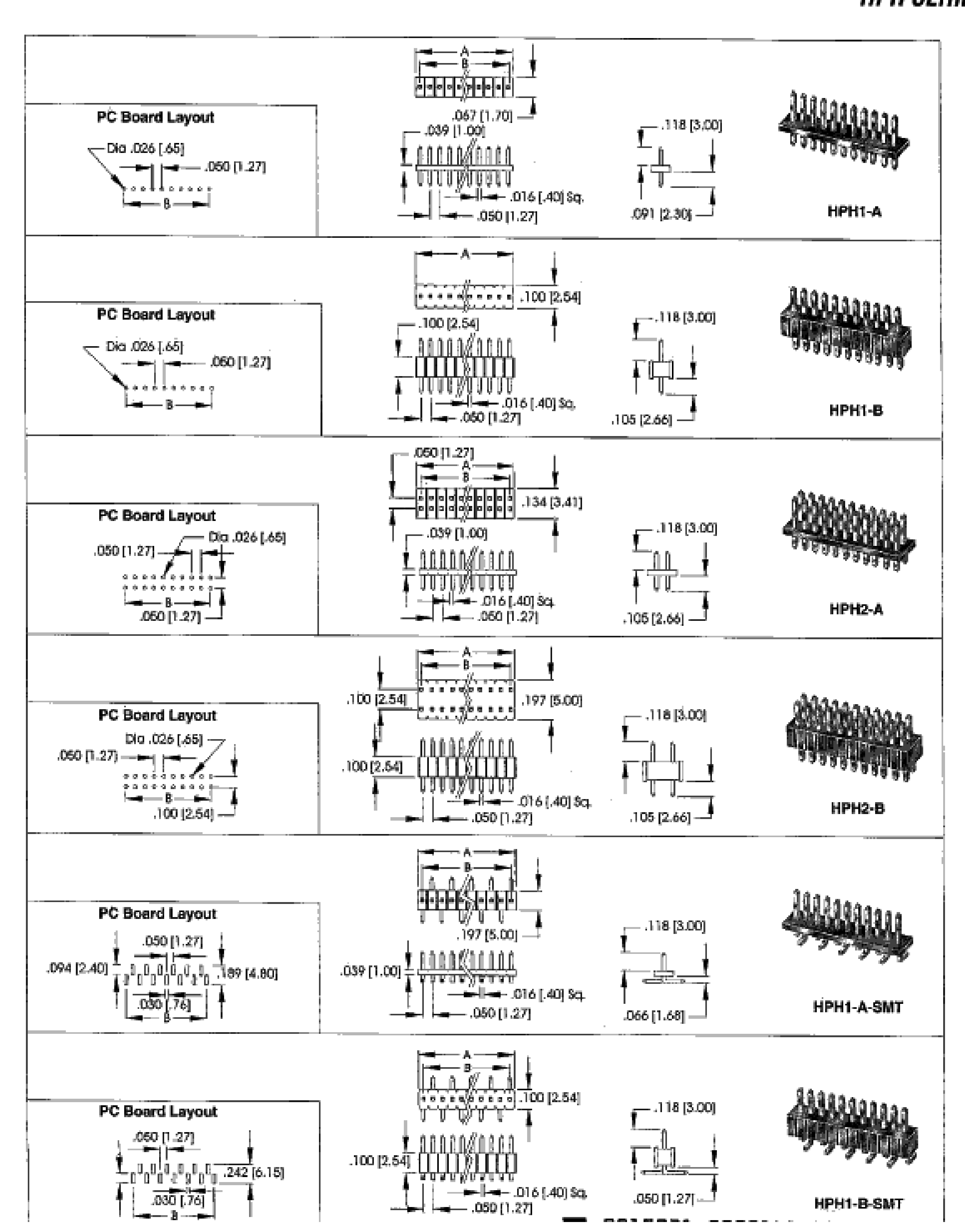
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